

The Claims

1. (Original) A cover assembly for an in-floor receptacle fitting of the type configured to support at least one electrical receptacle, comprising:

a trim flange connectable to the fitting, the trim flange having an opening that overlies the fitting and provides access to the at least one electrical receptacle;

an access door mounting member connectable to the trim flange, the access door mounting member having an opening that overlies the opening in the trim flange;

first and second access doors connected to the access door mounting member for movement between closed positions at which the access doors are adjacent one another and overlie the at least one receptacle and open positions at which the access doors are spaced from one another and the at least one receptacle is exposed;

a first seal member adapted to seal against moisture infiltration between the access doors when the access doors are at their closed positions;

a second seal member interposed between the mounting member and the trim flange to seal against water infiltration between the mounting member and the trim flange; and

a third seal member interposed between the trim flange and a floor surface to seal against water infiltration between the trim flange and the floor surface.

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2. (Original) The cover assembly as set forth in claim 1, wherein the at least one electrical receptacle comprises a power receptacle having first and second outlets and wherein each of the access doors is associated with one of the outlets, each access door being movable between an closed position at which it overlies the associated outlet and an open position at which the associated outlet is exposed.

3. (Original) The cover assembly as set forth in claim 1, wherein the access doors are pivotally connected to the mounting member.

4. (Original) The cover assembly as set forth in claim 1, wherein the access doors are slidably connected to the mounting member.

5. (Original) The cover assembly as set forth 1, further comprising locking mechanism adapted to releasably lock the access doors at their open and closed positions.

6. (Original) The cover assembly as set forth in claim 5, wherein the locking mechanism comprises at least one locking screw carried by the access door mounting member, the locking screw being movable between a first position at which the doors are movable between their open and closed positions and a second position which restricts movement of the access doors between their open and closed positions.

7. (Original) The cover assembly as set forth in claim 5, wherein the locking mechanism comprises first and second ball plunger associated with the first and second doors,

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respectively, each ball plunger including a ball member which interfaces with a surface of a respective access door to releasably lock the associated door at its open and closed positions.

8. (Original) The cover assembly as set forth in claim 7, wherein the ball plungers are mounted in a surface of the access door mounting member.

9. (Original) The cover assembly as set forth in claim 5, wherein the locking mechanism comprises first and second spring members associated with the first and second doors, respectively.

10. (Original) The cover assembly as set forth in claim 9, wherein the first and second springs are carried by the first and second doors, respectively, the springs being configured to releasably mate with reciprocal features in the mounting member for releasably locking the doors at their open and closed positions.

11. (Original) The cover assembly as set forth in claim 1, wherein the first seal member comprises at least one compressible seal carried by at least one of the access doors.

12. (Original) The cover assembly as set forth in claim 1, wherein the first seal member comprises a pair of compressible seal members, each of the compressible seal members being carried by one of the access doors, the compressible seal members being positioned to abut one another when the access doors are at their closed positions so as to seal against moisture infiltration between the access doors.

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13. (Original) An access cover as set forth in claim 12, where in the compressible seal members comprise a compressible polymer that is co-molded with the access doors.

14. (Original) An access cover as set forth in claim 1, wherein the first seal member comprises at least one magnetic seal member.

15. (Original) An access cover as set forth in claim 14, wherein the magnetic seal member comprises first and second magnetic seal members, each of the magnetic seal members being carried by one of the access doors, the magnetic seal member being positioned to magnetically engage with one another when the access doors are at their closed position so as to seal between the access doors.

16. (Original) A cover assembly as set forth in claim 1, wherein the second seal member comprises a generally planar portion that is compressed between the mounting member and the trim flange, the seal member having an access opening which provides access to the at least one receptacle and upwardly extending rib formed around the perimeter of the access opening and being positioned to abut with the access doors when the access doors are at their closed positions so as to seal against water infiltration between the rib and the doors.

17. (Original) A cover assembly as set forth in claim 1, wherein the third seal member comprises at least one gasket which is adapted to be compressed between the trim flange and an upper surface of the floor when the trim flange connected to the fitting.

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18. (Original) A cover assembly as set forth in claim 1, wherein the access opening has in the mounting member is generally rectangular and includes first and second ends, and wherein the first and second doors are pivotally connected to the mounting member at locations distally adjacent the first and second ends of the access opening, respectively.

19. (Original) A cover assembly as set forth in claim 1, wherein the opening of the trim flange is configured to support the at least one receptacle.

20. (Original) A cover assembly as set forth in claim 19, wherein the electrical receptacle comprises a duplex power receptacle having first and second outlets.

21. (Currently amended) A cover assembly for an in-floor electrical fitting, comprising:

a trim flange secured to the fitting, the trim flange having an opening that overlies the fitting and supports at least one electrical receptacle;

an access door mounting member secured to the trim flange, the access door mounting member having an opening that overlies the opening in the trim flange and provides access to the at least one electrical receptacle;

first and second access doors movably connected to the access door mounting member, each access door being movable between a closed position at which it overlies a portion of the

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electrical receptacle and a second position at which the respective portion of the electrical receptacle is exposed and accessible through the opening;

a first seal member adapted to seal against moisture infiltration between the access doors when the access doors are at their closed positions;

a second seal member interposed between the mounting member and the trim flange to seal against water infiltration between the mounting member and the trim flange; and

a third seal member interposed between the trim flange and a floor surface to seal against water infiltration between the trim flange and the floor surface.

22. (Original) The cover assembly as set forth in claim 21, wherein the access doors are pivotally connected to the mounting member.

23. (Original) The cover assembly as set forth in claim 21, wherein the access doors are slidably connected to the mounting member.

24. (Original) A cover assembly for an in-floor electrical fitting, comprising:

a trim flange secured to the fitting, the trim flange having an opening that supports a power receptacle having first and second outlets;

an access door mounting member secured to the trim flange, the access door mounting member having an opening that overlies the power receptacle to provide access to the outlets;

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first and second access doors movably connected to the access door mounting member, each access door being movable between a closed position at which it overlies a respective one of the first and second outlets and a second position at which a respective one of said first and second outlets is exposed and accessible through the opening in the mounting member;

a first seal member adapted to seal against moisture infiltration between the access doors when the access doors are at their closed positions;

a second seal member interposed between the mounting member and the trim flange, to seal against water infiltration between the mounting member and the trim flange; and

a third seal member interposed between the trim flange and a floor surface to seal against water infiltration between the trim flange and the floor surface.

25. (Original) A cover assembly for an in-floor fitting, comprising:

a trim flange connectable to the fitting, the trim flange having an opening that provides access to an interior compartment of the in-floor fitting;

an access door mounting member connectable to the fitting, the access door mounting member having an opening that overlies the opening in the trim flange;

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an access door movably connected to the mounting member for movement between a closed position at which the door covers the opening in the mounting member and an open position at which the opening in the mounting member is exposed;

a first seal member which seals against moisture infiltration between the access door and the mounting member when the door is at its closed position;

a second seal member which seals against water infiltration between the mounting member and the trim flange; and

a third seal member which seals against water infiltration between the trim flange and the floor.